# **Stroke Data**

# Prevalence, Hospitalization, Costs, Mortality Texas, 2013-2014

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### Overview



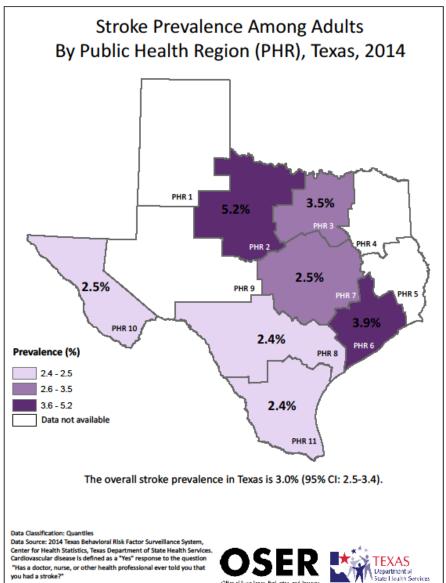
- Stroke Prevalence
- Stroke Hospital Discharge Rates
- Stroke Costs
  - Hospital Discharge Data
  - Medicaid Reimbursement Data
- Stroke Mortality Rates



## **Stroke Prevalence**

### **Stroke Prevalence**





Stroke prevalence among adults in Texas: 3.0%

Created by Sylvie Dodell 10/19/2015

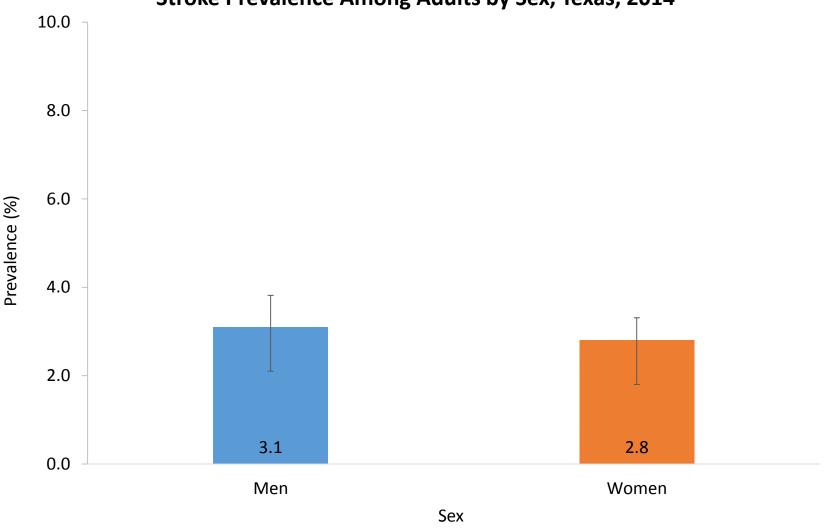


Source: Texas Behavioral Risk Factor Surveillance System (BRFSS) 2014, Center for Health Statistics, Texas Department of State Health Services.

# Prevalence by Demographics



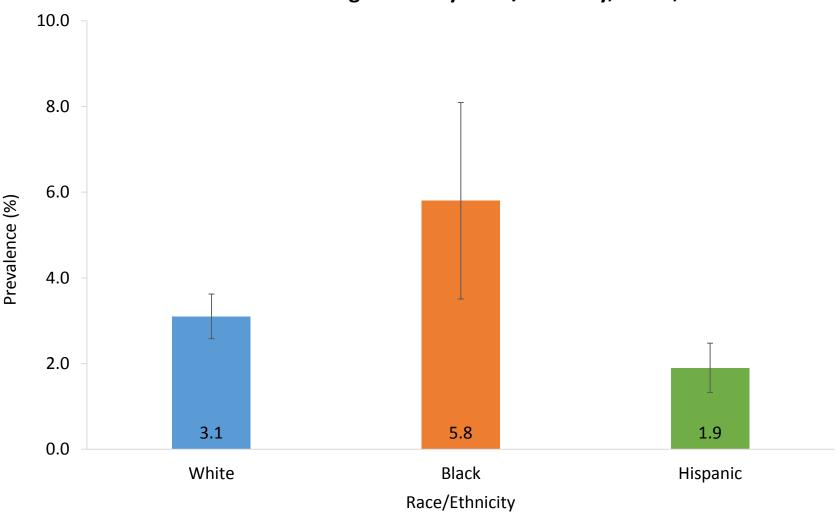
#### Stroke Prevalence Among Adults by Sex, Texas, 2014



# Prevalence by Demographics



### Stroke Prevalence Among Adults by Race/Ethnicity, Texas, 2014





# **Hospital Discharge Rates**

## Stroke Hospital Discharge Rates



Stroke Age-Adjusted Hospital Discharge Rates (per 10,000 people)

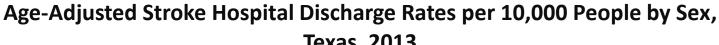
Texas: 20.5

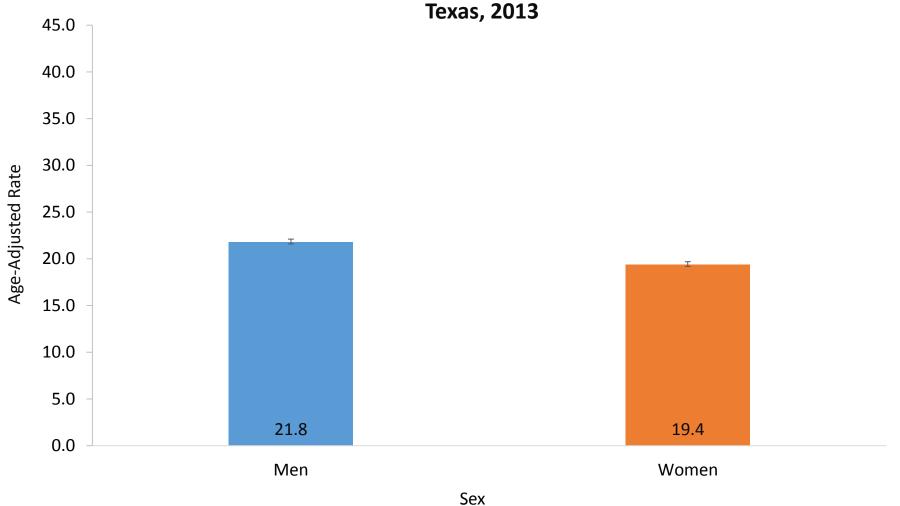
Age-Adjusted Stroke Hospital Discharge Rates Per 10,000 People by County Texas, 2013 Age-Adjusted Hospital Discharge Rate per 10,000 people 7.2 - 16.6 16.7 - 18.8 18.9 - 20.9 21.0 - 24.0 The overall age-adjusted stroke hospital discharge rate for 24.1 - 40.3 Texas was 20.5 per 10,000 people. Data not available (<12 Discharges) Data Source: Inpatient Hospital Discharge Public Use Data File, 2013 Center for Health Statistics, Texas Department of State Health Services A stroke hospitalization is a hospital record listing ICD-9 Codes 430-434 or 436-438 as the principal diagnosis. Created by Sylvie Dodell 11/30/15

Data Source: Inpatient Hospital Discharge Public Use Data File, 2013. Center for Health Statistics, Texas Department of State Health Services. Population data sources: 2009-2013 population estimates file, Center for Health Statistics, Texas Department of State Health Services and Texas State Data Center.

# Stroke Hospital Discharges By Demographics



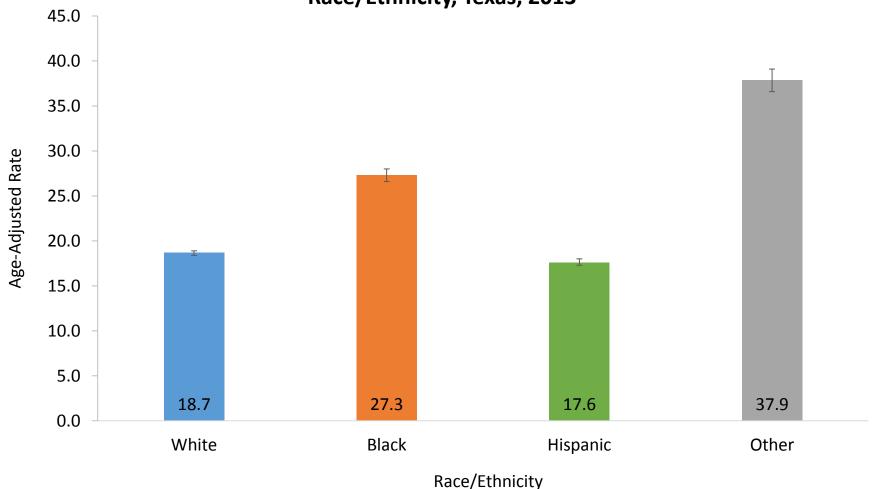




# Stroke Hospital Discharges By Demographics



# Age-Adjusted Stroke Hospital Discharge Rates per 10,000 People by Race/Ethnicity, Texas, 2013



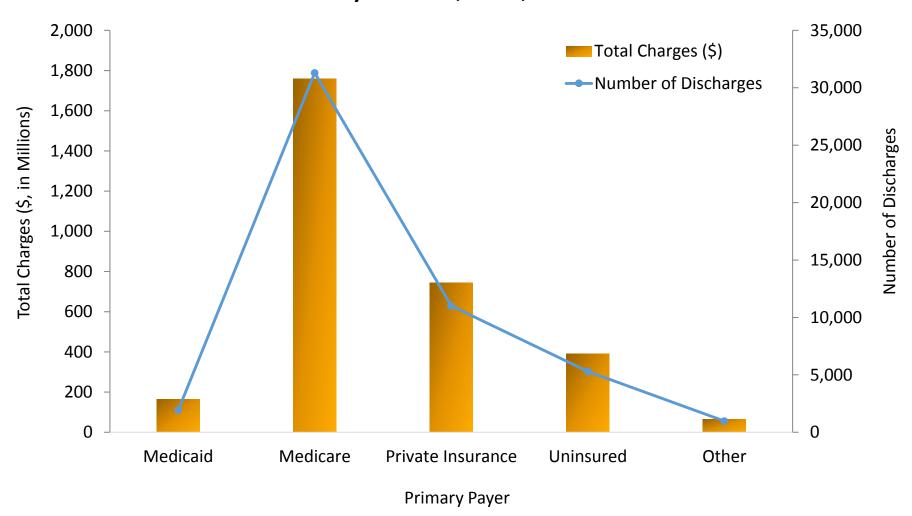


## **Stroke Costs**

## **Stroke Hospital Charges**



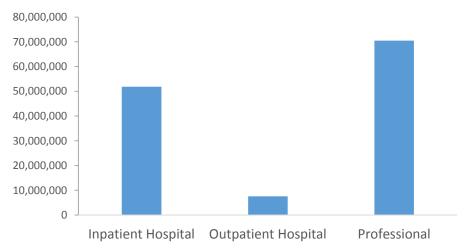
# Total Hospital Charges and Number of Hospital Discharges by Primary Payer Source, Texas, 2013



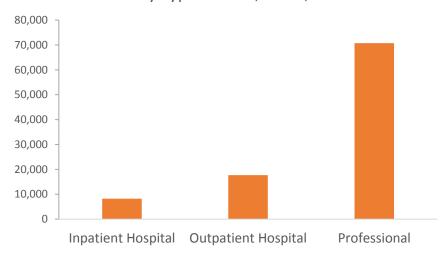
### **Stroke Costs Among Medicaid Clients**



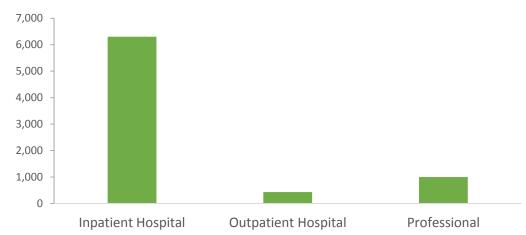




Number of Medicaid Clients with Stroke Claims by Type of Care, Texas, FY 2014



Average Cost (\$) of Stroke Claims per Medicaid Client by Type of Care, Texas FY 2014





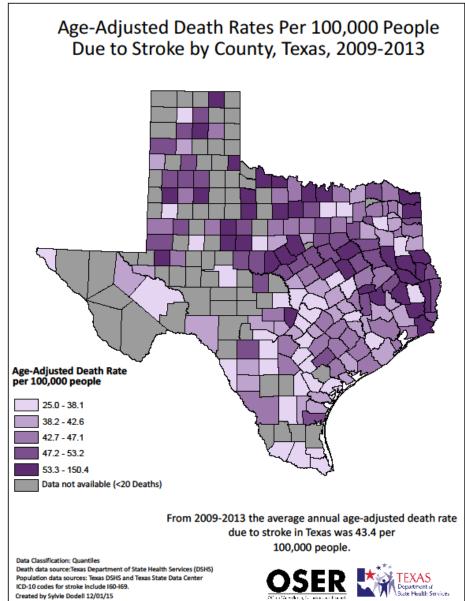
# **Mortality Rates**

## **Stroke Mortality Rates**



Age-Adjusted Death Rates per 100,000 people, 2009-2013

Texas: 43.4

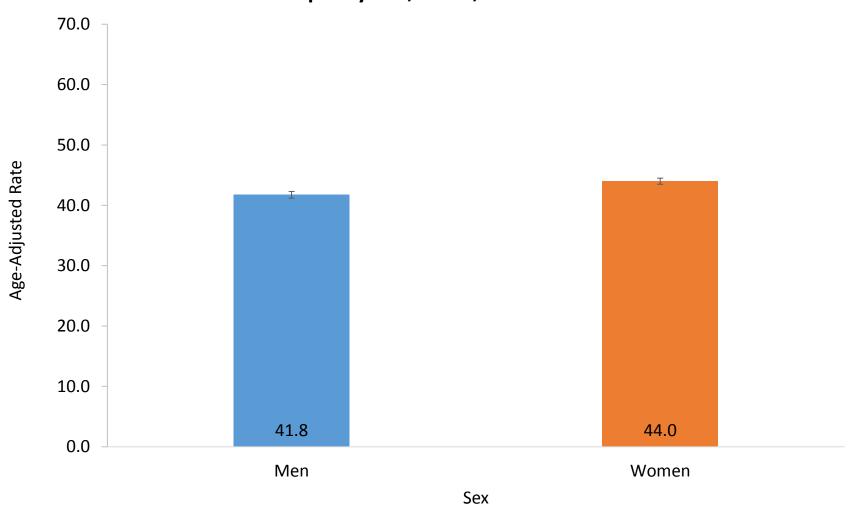


Death data source: 2009-2013 death data, Vital Statistics Unit, Center for Health Statistics, Texas Department of State Health Services (DSHS). Population data sources: 2009-2013 population estimates file, Center for Health Statistics, Texas Department of State Health Services and Texas State Data Center.

# Stroke Mortality Rate By Demographics



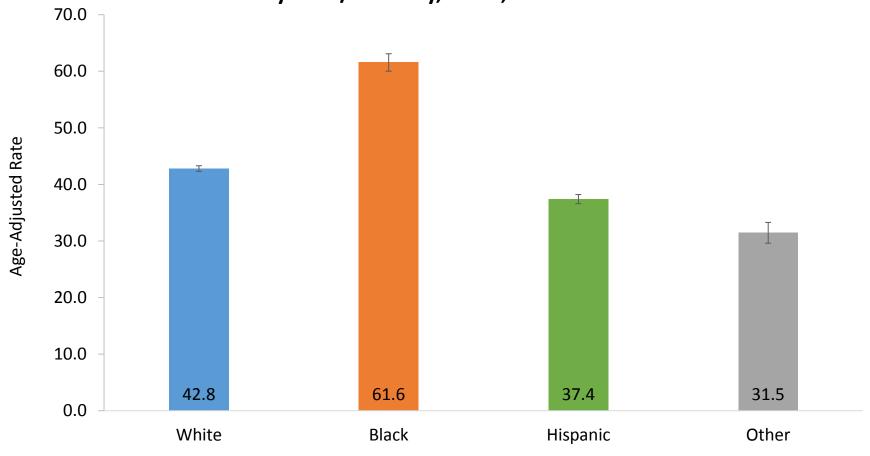
# Age-Adjusted Average Annual Stroke Death Rates per 100,000 People by Sex, Texas, 2009-2013



# Stroke Mortality Rate By Demographics



# Age-Adjusted Average Annual Stroke Death Rates per 100,000 People by Race/Ethnicity, Texas, 2009-2013



Race/Ethnicity

# Acknowledgements



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Epidemiologist
Office of Surveillance, Evaluation and Research



# Thank You.

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# **Additional Slides**

# **Stroke Hospital Charges**



Davor	No. of Discharges	Median length of stay (days)	Total Charges (\$)
Payer		<u> </u>	
Medicaid	1,926	5.0	164,772,647.00
Medicare	31,297	3.0	1,758,273,166.00
Private Insurance	11,008	3.0	744,908,543.00
Uninsured	5,297	4.0	390,521,743.00
Other	972	4.0	65,167,032.63
Total	50,500	3.0	3,123,643,131.63

### **Stroke Costs Among Medicaid Clients**



Cost of Services Among Medicaid Beneficiaries Diagnosed with a Stroke Who Receive Care under "Fee-for-Service" or "Star and Star/Plus" Programs, Texas, FY 2014

Type of Claim	Total Cost (\$)	No. of Beneficiaries	Average Cost per Beneficiary (\$)
Inpatient Hospital	51,832,600.18	8,227	6,300.30
Outpatient Hospital	7,558,878.77	17,668	427.83
Professional	70,456,759.55	70,734	996.08
Total	129,848,238.50	76,307	1,701.66